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APPLICATION NO.	FILING DATE 06/19/2003		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/600,047			Louis A. Lippincott	884.898US1	6017	
Louis A. Lippin	7590 ncott	05/21/2007		EXAMINER DANG, DUY M		
720 Anderson I	Drive					
Los Altos, CA	94024			ART UNIT PAPER NUMBER		
				2624		
				MAIL DATE	DELIVERY MODE	
				05/21/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Annlingtion No.	Amplicant(a)		
•	Application No.			
Office Action Commence	10/600,047	LIPPINCOTT, LO	LIPPINCOTT, LOUIS A.	
Office Action Summary	Examiner	Art Unit		
	Duy M. Dang	2624		
The MAILING DATE of this communication ад Period for Reply	ppears on the cover sheet w	ith the correspondence a	ddress	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1, after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 136(a) In no event, however, may a di will apply and will expire SIX (6) MOI te, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this of BANDONED (35 U.S.C. § 133).	,	
Status				
1) Responsive to communication(s) filed on 07 I	March 2007.			
	is action is non-final.			
3) Since this application is in condition for allowa	ance except for formal mat	ters, prosecution as to th	e merits is	
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.		
Disposition of Claims				
4)⊠ Claim(s) <u>1-9 and 19-30</u> is/are pending in the	application.			
4a) Of the above claim(s) is/are withdra	• •			
5) Claim(s) is/are allowed.	•			
6)⊠ Claim(s) <u>1-9 and 19-30</u> is/are rejected.				
7) Claim(s) is/are objected to.	,			
8) Claim(s) are subject to restriction and/	or election requirement.			
Application Papers				
9) The specification is objected to by the Examin	er.			
10) The drawing(s) filed on is/are: a) ac	cepted or b)⊡ objected to	by the Examiner.		
Applicant may not request that any objection to the	e drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct	ction is required if the drawing	g(s) is objected to. See 37 C	FR 1.121(d).	
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attache	d Office Action or form P	TO-152.	
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).		
1.☐ Certified copies of the priority documer	nts have been received.		• •	
2. Certified copies of the priority documen		Application No		
3. Copies of the certified copies of the price	ority documents have beer	received in this Nationa	l Stage	
application from the International Burea	au (PCT Rule 17.2(a)).		•	
* See the attached detailed Office action for a lis	t of the certified copies not	received.		
		•		
Attachment(s)		•		
1) X Notice of References Cited (PTO-892)		Summary (PTO-413)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)		s)/Mail Date Informal Patent Application		
Paper No(s)/Mail Date <u>11/17/06+12/5/05+4/13/05</u> .	6) Other:			

Application/Control Number: 10/600,047

Art Unit: 2624

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Invention of Group I, claims 1-9 and 19-30, in the reply filed on 2/21/07 is acknowledged.

Response to Amendment

2. Applicant's amendment filed on 2/21/07 has been entered and made of record. Currently claims 1-9 and 19-30 are pending.

Specification

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claim 25-30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

In this case, claims 25-30 are directed to a machine readable medium which is defined as either (i)statutory subject matter as specified at page 4 lines 3-9 of the specification ("a machine-readable medium...flash memory devices, etc.") or (ii)non-statutory subject mater as specified at page 4 lines 9-11 of the specification ("as well as...carrier waves, infrared signals...signal, etc."). Applicant is advised to amend the specification (i.e., remove or delete such non-statutory subject

Art Unit: 2624

matter) and/or claims (i.e., includes "a machine-readable storage medium" or "a machine-readable memory") to exclude such non-statutory in order to satisfy the requirement of 101.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claims 1-9 and 19-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Li (EP 0257581A2, referred as Li hereinafter).

Regarding claim 1, Li teaches an apparatus (i.e., array of MxM processing element PEs depicted at figure 1 and each PE comprising arithmetic and logical unit ALU 6 as depicted in figure 1 as well) comprising: a first processor that includes a first processor element (i.e., PE at (0,0) of figure 1); and a second processor that includes a second processor element (i.e., PE at (0,2) of figure 1), wherein the first processor is configured to transmit data to the second processor through a third processor (i.e., PE at (0,1) of figure 1. Note this PE refers to claimed "third processor" in together with the function of each PE described at page 6 lines 54-55), wherein no processor element within the third processor is configured to perform a process operation on the data as part of the transmission of the data from the first processor to the second processor (see connection control mechanism CCM 8 of figure 8 and described at page 5 lines 26-32).

The advanced statements as applied to claim 1 above are incorporated herein. Li further teaches: wherein the first processor is not directly connected with the second processor (i.e., PE

Art Unit: 2624

at (0,0) is not directed connected with the second PE at (0,2) according to figure 1) as required by claim 2; wherein no processor element within the third processor is involved in the transmission of data from the first processor to the second processor through the third processor (i.e., the PE at (0,1) of figure 1 corresponds to the so-called "third processor") as required by claim 3; wherein the first processor, the second processor and the third processor are coupled together in a point-to-point configuration as required by claim 4 (i.e., PE at (0,2) and PE at (0,1) are coupled in the point-to-point configuration as shown in figure 1); hardware accelerator (see memory 7 of figure 1 and registers 37 and 37 of figure 3. This interpretation is consistent with applicant's disclosed paragraph [0045]) as required by claim 7; expansion interface (i.e., host computer 3 and bus 9 as shown in figure 1) as required by claim 8.

Regarding claims 5, 9, 19-28, the rejection of claims 1-4 and 7-8 above are incorporated herein.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy M. Dang whose telephone number is 571-272-7389. The examiner can normally be reached on Monday to Friday from 6:00AM to 2:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on 571-272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2624

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

dmd 5/07

> DUY M. DANG PRIMARY EXAMINER